

## Contents Volume 26

*Vol. 26, Nos. 1&2 (March 1992)*

M. Halmann, A.J. Hunt and D. Spath Photodegradation of dichloromethane, tetrachloroethylene and 1,2-dibromo-3-chloropropane in aqueous suspensions of $\text{TiO}_2$ with natural, concentrated and simulated sunlight	1
W. Luft, B. Stafford, B. von Roedern and R. DeBlasio Prospects for amorphous silicon photovoltaics	17
R. Kishore, S.N. Singh and B.K. Das PECVD grown silicon nitride AR coatings on polycrystalline silicon solar cells	27
T. Emeraud, P. Zanin, S. Noureddine and J.P. David A new on-sun high-concentration solar cell test equipment	37
M. Egido and E. Lorenzo The sizing of stand alone PV-systems: a review and a proposed new method	51
P. Verlinden, O. Evrard, E. Mazy and A. Crahay The surface texturization of solar cells: A new method using V-grooves with controllable sidewall angles	71
J.R. Bates and P.H. Fang Results of solar cell performance on lunar base derived from Apollo missions	79
Y. Takeda, A. Wakahara and A. Sasaki Calculation of photovoltaic characteristics and materials selection for low-band-gap cells of multi-structure solar cell system	85
Y. Takeda, M. Wakai, T. Ikeoku and A. Sasaki InAlAs/InGaAs low-band-gap cell on InP for high efficiency multi-structure solar cell system	99
Z. Crnjak Orel, B. Orel and M. Klanjšek Gunde Spectrally selective $\text{SnO}_2:\text{F}$ film on glass and black enamelled steel substrates: spray pyrolytical deposition and optical properties	105
O. Savadogo and K.C. Mandal Studies on new chemically deposited photoconducting antimony trisulphide thin films	117
A. De, S. Ghosh and S. Ray Boron doped hydrogenated amorphous silicon films prepared by photo-CVD	137

- S.R. Kumar, R.B. Gore and R.K. Pandey  
Preparation and properties of a Cu-In alloy precursor for CuInSe<sub>2</sub> films 149
- G. Micocci, A. Tepore, R. Rella and P. Siciliano  
Electrical properties of indium selenide single crystals doped with tin 159

*Vol. 26, No. 3 (April 1992)*

- S.K. Sharma, D. Pavithra, G. Sivakumar, N. Srinivasamurthy and B.L. Agrawal  
Determination of solar cell diffusion capacitance and its dependence on temperature and 1 MeV electron fluence level 169
- A. Mondal, B.E. McCandless and R.W. Birkmire  
Electrochemical deposition of thin ZnTe films as a contact for CdTe solar cells 181
- E.G. Moreno, E. Demesmaeker, M. Ghannam and J. Nijs  
Analysis of silicon solar cell degradation in space using PC-1D 189
- P.A. Davies, J.C. Miñano, A. Luque, F. López and J.M. Ruiz  
Calculations of efficiencies achievable using gallium arsenide and silicon cells mounted together in cavities illuminated by single-stage concentration 203
- G.C. Morris and R. Vanderveen  
Electrodeposited cadmium zinc sulphide films for solar cells 217
- Y. Ueno, Y. Hattori, M. Ito, T. Sugiura and H. Minoura  
Synthesis and photoelectrochemical characterization of (Ag<sub>2</sub>S)<sub>x</sub>(In<sub>2</sub>S<sub>3</sub>)<sub>1-x</sub> and AgInS<sub>2-y</sub>Se<sub>y</sub> 229
- S.R. Dhariwal and B.M. Deoraj  
Effect of carrier transport on surface photovoltage in thin semiconductor films 243
- M.T. Gutiérrez, J. Cárabe, J.J. Gandía and A. Solonko  
Effect of preparation conditions on the properties of glow-discharge intrinsic amorphous silicon 259

*Vol. 26, No. 4 (May 1992)*

- S.-S. Lian, R. Kammel and M.J. Kheiri  
Preliminary study of hydrometallurgical refining of MG-silicon with attrition grinding 269
- G. Smestad, M. Kunst and C. Vial  
Photovoltaic response in electrochemically prepared photoluminescent porous silicon 277
- R.K. Pandey, G. Razzini and L.P. Bicelli  
A comparative study of the morphological and compositional trends in CdTe films galvanostatically deposited from an ethylene glycol based bath 285

M. León, R. Díaz, F. Rueda and M. Berghol	
A comparative study of optical, electrical and structural properties of $\text{CuGaSe}_2$ and $\text{CuGaTe}_2$ thin films	295
M.A. Martínez, J. Herrero and M.T. Gutiérrez	
Post-deposition annealing effects in RF reactive magnetron sputtered indium tin oxide thin films	309
T. Maruyama and S. Arai	
Titanium dioxide thin films prepared by chemical vapor deposition	323
M. Lipinski and T. Zdanowicz	
Optimization of the optical parameters of $\text{TiO}_x$ antireflection layers deposited by a spin-on technique	331
B.C. Chakravarty, B.K. Das, N.K. Arora, P.K. Basu and J.S. Vaishya	
Degradation of solar cells made of upgraded metallurgical grade silicon	339
G. Willeke, H. Nussbaumer, H. Bender and E. Bucher	
A simple and effective light trapping technique for polycrystalline silicon solar cells	345
T. Walter, A. Content, K.O. Velthaus and H.W. Schock	
Solar cells based on $\text{CuIn}(\text{Se}, \text{S})_2$	357
Author Index	369
Contents Volume 26	373